Lambda Expressions in C++14 Exercises

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Generic Lambda Expressions

- What is meant by a generic lambda?

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Generic Lambda Example

- Write generic lambda which adds its arguments and returns the result
- Write a program which calls your lambda function with arguments of type
  - int
  - double
  - std::string

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Local Variables in Lambda

- How can we create a variable which is local to a lambda?
- Does the variable need to be declared auto?
- Does the variable need to be initialized?
- Write a program which uses a lambda with a local variable

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Generalized capture with initialization

- Can we initialize a lambda-local variable from a captured variable?
- What syntax do we use to capture the variable?
- Write a program which uses a lambda with a local variable which is initialized from a captured variable

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